

ABSTRACT

A driving circuit of electroluminescence (EL) display device is disclosed, which is divided into an integrated circuit (IC) and an exterior circuit. The IC includes a DC-DC converter for controlling an external DC voltage to a desired DC voltage through a timing control signal. A power peripheral unit is provided outside the IC, which controls an input voltage and an output voltage of the DC-DC converter and stabilizes the DC-DC converter. The DC-DC converter generates a desired DC voltage using the external input voltage according to a voltage control signal subject to the timing control signal. The generated DC voltage is provided to a data processor and a scan processor inside the IC. It is possible to control the DC voltage inside the IC using the DC-DC converter controlled by the timing control signal, and most parts of a power portion can be integrated inside the IC.

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